

RESTRICTED

RESTRICTED

STAT

ing injection of III, probably explains its inferior therapeutic value. Different individuals, similarly treated, varied markedly in As retention, making it impossible to determine the dose administered from As accumulation in organs. In descending order of the amounts of As stored, the organs are kidney, spleen, liver, brain, lungs. Loss of the accumulated As was very slow. From the results, the best therapeutic treatment seems to be intravenous injections of I.

"Action of Bromine Salts on the Thyroid Gland," E. N. Smol'yanova, Lenin Med Inst

"Byull Eksper Biol i Med" Vol 20, No 10/11, 1945, pp 39-42

The effect of subcutaneous injections of KBr on the thyroid gland of guinea pigs, white mice, and white rats was studied. With all animals, significant increases in the weight of the thyroid were obtained by administration of 12.5 mg of KBr over a period of 5 days. The epithelial cells were increased in size, and an increase in the proportion of cubical and cylindrical cells was noted; the secretory activity of the gland was increased.

"Effect of D and E Vitamins on the Bile-forming Function of the Liver," A. V. Gubar, Chair of Physiol, Lenin Med Inst, Moscow

"Byull Eksper Biol i Med" Vol 18, No 4/5, 1944, pp 47-50

Vitamin D was introduced under the skin of dogs 5 days in succession in one or doses containing 12,000 international units. It had no effect on the bile-forming function of the liver. A solution of the synthetically prepared vitamin K (2-methyl-1,4-naphthoquinone) in apricot-kernel oil was injected into the muscles. It produced a short increase in the secretion of the bile followed by a prolonged depression in the bile secretion. The depression period lasted about 10 days; then the bile-forming function of the liver started to increase gradually and in 2-3 weeks from the last injection of vitamin K it became normal.

"Combined Action of Vasodilators on Peripheral Vessels," A. I. Mironenko, Lenin Med Inst

"Farmakol i Toksikol" Vol 7, No 6, 1944, pp 46-51

The vasodilators papaverine-HCl (I), NaNO₂ (II), and diuretin (III) were tried in pairs on isolated rabbit ears. The pairs showed activities which were more than additive. The selected test pairs, and concentrations in parts per million, were: II-40, I-16; I-1 and 10, III-0.4 and 0.04; II-40, III-0.2 and 0.4.

- END -

RESTRICTED

RESTRICTED